

Asbestos Survey Report

Parcel # ADV-62-B-P1
I-49 Lafayette Connector
410 Mudd Avenue
Lafayette, Louisiana

October 3, 2019
LA DOTD Project No. H.003453
Terracon Project No. EH197174



Prepared for:
Louisiana Department of Transportation and Development
Baton Rouge, Louisiana

Prepared by:
Terracon Consultants, Inc.
Baton Rouge, Louisiana

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials



October 3, 2019

Louisiana Department of Transportation and Development
1201 Capital Access Road Room 506C
Baton Rouge, Louisiana

Attn: Mr. Robert Richard
E: Robert.Richard@la.gov

Re: Asbestos Survey Report: Project Number H.003453
Parcel # ADV-62-B-P1
I-49 Lafayette Connector
410 Mudd Avenue
Lafayette, Louisiana
Terracon Project No. EH197174

Dear Mr. Richard:

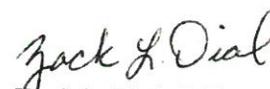
The purpose of this report is to present the results of the asbestos survey performed on September 30, 2019 at the above referenced building structure in Lafayette, Louisiana. This survey was conducted in general accordance with Louisiana Department of Transportation and Development Task Order #8 (Project Number H.003453) dated September 11, 2019. We understand that this survey was requested due to the planned demolition of the structure.

Asbestos-Containing materials were identified at the subject site. Please refer to the attached report for details.

Terracon appreciates the opportunity to provide this service. If you have any questions regarding this report, please contact the undersigned at (504) 818 3638.

Sincerely,
Terracon Consultants, Inc.


ON BEHALF OF
Jeff M. Beasley
LDEQ Asbestos Inspector (AI #: 140349)


Zack L. Dial, P.E.
Senior Engineer

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ASBESTOS SURVEY REPORT: PROJECT NUMBER H.003453

PARCEL # ADV-62-B-P1

I-49 Lafayette Connector

410 Mudd Avenue

Lafayette, Louisiana

Terracon Project No. EH197174

October 3, 2019

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey of the residential structure located at 410 Mudd Avenue in Lafayette, Louisiana. The survey was conducted on September 30, 2019 by Jeff Beasley. The scope of Terracon's asbestos survey included both interior and exterior building finishes in accordance with LA DOTD Task Order #8 (Project Number H.003453) dated September 11, 2019.

1.1 Project Objective

The scope of services included a survey for asbestos-containing materials (ACM) because of the United States Environmental Protection Agency (USEPA) regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), and Louisiana Environmental Regulatory Code (ERC) Title 33, Part III, Section 5151 (Chapter 51), prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The asbestos NESHAP and Chapter 51 requires that potentially regulated asbestos-containing building materials be identified, classified and quantified prior to planned disturbances or demolition/renovation activities.

2.0 BUILDING DESCRIPTION

The residential structure is an approximate 1,214 square foot, 1-story building located at 410 Mudd Avenue in Lafayette, Louisiana. The approximate construction date of the building is unknown. The building was historically used as a residential property. The wood framed structure has wood framed windows and wood doors with wood siding exterior. The roof is a pitched roof with asphalt shingles and tar paper over wood decking. Interior components include wallboard with joint compound, wood wall panels, acoustical ceiling tiles, vinyl floor sheeting, vinyl floor tile with black mastic, carpet, and rough wall texture.

3.0 ASBESTOS SURVEY

3.1 Field Activities

The asbestos survey was conducted by Louisiana Department of Environmental Quality (LDEQ) accredited asbestos inspector Jeff M. Beasley (Accreditation No. 140349) Copies of asbestos inspector certificate is attached as Appendix E. The survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA). A summary of survey activities is provided below.

3.1.1 Visual Assessment

Our survey activities began with visual observation of the interior of the building proposed for renovation/demolition to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color and texture, with consideration given to the date of application. The interior assessment was conducted throughout visually accessible areas of the building. Building materials identified as concrete, glass, wood, masonry, metal or rubber were not considered suspect ACM.

Terracon lifted floor covering and inspected above the suspended ceiling in several areas in the building and observed areas of additional floor/ceiling coverings/layers; however, as Terracon could not assess above all ceilings and beneath all floor covering, there may be isolated areas of additional suspect material present in the structure.

3.1.2 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.1.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with AHERA sampling protocols. Random samples of suspect materials were collected in each homogeneous area. The inspector collected bulk samples using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

Twenty-one (21) bulk samples were collected from seven (7) homogeneous areas of suspect ACM from the residential structure. A summary of suspected ACM materials collected during the survey is included as Appendix B. Selective photographs of homogeneous material sampled is presented in Appendix D.

3.1.4 Sample Analysis

Bulk samples were submitted under chain of custody to EMSL Analytical, Inc. of Cinnaminson, New Jersey (NVLAP Accreditation No 101048-0; LELAP Accreditation No 04127) for analysis by polarized light microscopy with dispersion staining techniques per EPA methodology (40 CFR 763, Subpart E). The percentage of asbestos, where applicable, was determined by microscopic visual estimation. The laboratory analytical report is included in Appendix C.

3.2 Regulatory Overview – Asbestos

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. The asbestos NESHAP regulation also requires the identification and classification of existing ACM according to friability prior to demolition or renovation activity. Under NESHAP, ACM is identified as either friable, Category I non-friable or Category II non-friable ACM. Friable ACM is a material containing more than 1% asbestos that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. All friable ACM is considered regulated asbestos containing material (RACM).

RACM includes all friable ACM, along with Category I and Category II non-friable ACM that has become friable, will be or has been subjected to sanding, grinding, cutting or abrading, or ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder in the course of renovation or demolition activity.

Category I non-friable ACM are exclusively asbestos-containing packings, gaskets, resilient floor coverings, resilient floor covering mastics and asphalt roofing products that contain more than 1% asbestos. Category II non-friable ACM are all other non-friable materials other than Category I non-friable ACM that contain more than 1% asbestos.

The State of Louisiana has established Chapter 27 of the ERC (LAC 33:III.Chapter 27) to regulate the identification, management, and abatement of ACM in schools and state buildings. Chapter 27 requires any asbestos-related activity in a school or state building to be performed by an individual or company accredited by the State of Louisiana, through the LDEQ.

An asbestos-related activity consists of the disturbance (whether intentional or unintentional) or abatement of ACM, the performance of asbestos surveys, the development of management plans

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and response actions, asbestos project design, the collection or analysis of asbestos samples, monitoring for airborne asbestos or any other activity required to be accredited under Louisiana Department of Environmental Quality Chapter 27 Appendix A.

In non-state, non-school buildings, the State of Louisiana sets forth emission standards for asbestos under Chapter 51 of the ERC (LAC 33:III.Chapter 51). Per Chapter 51 Section P, the following activities, when conducted, must be performed by accredited individuals: asbestos surveys, asbestos abatement, and monitoring for airborne asbestos.

Under Chapter 51, Section F, RACM must be removed prior to renovation or demolition activities that will disturb the materials. LDEQ requires a 10-working day notification (Form AAC-2) of any demolition activity, regardless of whether the building contains asbestos, and any renovation activity which disturbs RACM. In addition, LDEQ requires a 3-working day notification prior to the start of the removal of resilient floor covering by using dry ice, heat, wet methods, and chemicals where the tiles or sheeting are removed intact or asbestos-containing mastic removed by chemical or other means that results in the waste material being bound within a macro substrate and cannot reasonable become airborne. Any individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Louisiana Licensing Board for Contractors to perform asbestos abatement.

The United States Occupational Safety and Health Administration (USOSHA) asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The USOSHA standard requires that employee exposure to airborne asbestos must not exceed 0.1 fibers per cubic centimeter of air (0.1 f/cc) as an eight hour time weighted average (TWA) and not exceed 1.0 fibers per cubic centimeter of air (1.0 f/cc) over a 30 minute time period known as an excursion limit (EL). The TWA and EL are known as USOSHA's asbestos permissible exposure limits (PELs). The USOSHA standard classifies construction and maintenance activities which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work.

3.3 Findings and Recommendations - Asbestos

The Louisiana Air Quality Regulations (LAC 33:II Chapter 51, Subchapter M) requires that an inspection be conducted by a person currently accredited as an LDEQ asbestos inspector. LDEQ requires a 10-working day notification (Form AAC-2a) of any demolition activity, regardless of whether the building contains asbestos, and any renovation activity which disturbs RACM.

Laboratory analysis confirmed the following asbestos-containing materials:

- White rough wall texture on the south wall of the dining area;

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- Fiber backing associated with the tan vinyl sheet flooring located in the kitchen, dining area and living room;
- 12x12 Beige floor tile with black mastic over wood flooring in dining area (under tan vinyl sheet flooring)

According to LDEQ and EPA NESHAP regulations, friable ACM is considered RACM and is required to be abated prior to demolition.

As the results of this survey indicated the structure contains RACM, all section of the AAC-2a Form must be completed and submitted to LDEQ prior to demolition activities and an Asbestos Disposal Verification Form (ADVF) requested. Upon proper notification the Department will issue an ADVF to provide approval to begin renovation or demolition activities and to ensure that the ACM is removed and disposed of properly. The ADVF must be onsite during all RACM renovation or demolition activities. A copy of the most current form approved by the Department can be found at <http://www.deq.louisiana.gov>.

Terracon recommends that the identified ACM be removed and disposed of by a Louisiana-licensed asbestos abatement contractor prior to any renovation activity that will disturb the asbestos-containing materials identified.

Point counting analysis and/or composite sample confirmed <1% asbestos in the following materials:

- Wallboard with Joint Compound located in the dining area, living room, and hallway

Although these materials are not considered asbestos-containing, the OSHA asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos regardless of concentration. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The disturbance of this material has the potential to result in the release of airborne asbestos fibers

A summary of the classification, condition and approximate quantity of each identified ACM is presented in Appendix B. Laboratory analytical reports are presented in Appendix C.

It should be noted that suspect materials, other than those identified during this survey may exist within the building. Should suspect materials other than those which were identified during this survey be uncovered during the demolition process, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny their asbestos content.

4.0 GENERAL COMMENTS

This asbestos survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by Louisiana Department of Transportation and Development for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

APPENDIX A

Parcel # ADV-62-B-P1
I-49 Lafayette Connector
410 Mudd Avenue – Lafayette, LA
Terracon Project no. EH197174

CONFIRMED ASBESTOS-CONTAINING MATERIALS

HA No.	Material Description	Material Location	Classification	Condition	Lab Results	Quantity*
01	Fiber Backing Associated with Tan Vinyl Sheet Flooring	Living Room, Dining Area, and Kitchen	Category I Non-friable	Good	15- 18% C	610 SF
02	12"x12" Beige Floor Tile with Black Mastic over Wood Flooring (under the Tan Vinyl Sheet Flooring)	Bedroom 1	Category I Non-friable	Good	5-6% C – Floor tile 4-5% C – Black mastic	180 SF
04	Wallboard with Joint Compound	Throughout Structure	Non-ACM per NESHAP		ND – Drywall Material 2% C – Joint Compound <1% C – Sample Composite	NA
05	White Wall Texture	Dining Area	RACM	Good	2% C - Texture	300 SF

C = Chrysotile Asbestos

ND = None Detected

SF= Square Feet

APPENDIX B
Parcel # ADV-62-B-P1
I-49 Lafayette Connector
410 Mudd Avenue – Lafayette, LA
Terracon Project no. EH197174

ASBESTOS SURVEY SAMPLE LOCATION SUMMARY

HA No.	Material Description	Sample Number	Sample Location	Lab Results
01	Fiber backing associated with tan vinyl sheet flooring	01-01	Living room	18% C
01	Fiber backing associated with tan vinyl sheet flooring	01-02	Dining area	18% C
01	Fiber backing associated with tan vinyl sheet flooring	01-03	Kitchen	15% C
02	12"x12" Beige floor tile with black mastic over wood flooring (under vinyl sheet flooring)	02-04	Ding Area	5% C – Floor tile 4% C – Black mastic
02	12"x12" Beige floor tile with black mastic over wood flooring (under vinyl sheet flooring)	02-05	Ding Area	5% C – Floor tile 5% C – Black mastic
02	12"x12" Beige floor tile with black mastic over wood flooring (under vinyl sheet flooring)	02-06	Ding Area	6% C – Floor tile 5% C – Black mastic
03	12"x12" White Interlocking Ceiling Tile	03-07	Kitchen	ND
03	12"x12" White Interlocking Ceiling Tile	03-08	Den	ND
03	12"x12" White Interlocking Ceiling Tile	03-09	Bedroom	ND
04	Wallboard with Joint Compound	04-10	Living Room	ND – Drywall Material 2% C – Joint Compound <1% C – Sample Composite
04	Wallboard with Joint Compound	04-11	Dining Area	ND – Drywall Material 2% C – Joint Compound <1% C – Sample Composite
04	Wallboard with Joint Compound	04-12	Living Room	ND – Drywall Material 2% C – Joint Compound <1% C – Sample Composite
05	White rough wall texture	05-13	Dining Area	2% C - Texture
05	White rough wall texture	05-14	Dining Area	2% C - Texture
05	White rough wall texture	05-15	Dining Area	2% C - Texture
06	TSI Straight Pipe	06-16	Attic	ND
06	TSI Straight Pipe	06-17	Attic	ND
06	TSI Straight Pipe	06-18	Attic	ND

HA No.	Material Description	Sample Number	Sample Location	Lab Results
07	Asphalt Shingle and Felt Paper	07-19	Exterior	ND – Roofing Shingle ND – Felt Paper
07	Asphalt Shingle and Felt Paper	07-20	Exterior	ND – Roofing Shingle ND – Felt Paper
07	Asphalt Shingle and Felt Paper	07-21	Exterior	ND – Roofing Shingle ND – Felt Paper

C = Chrysotile Asbestos

ND = None Detected

APPENDIX C

ASBESTOS LABORATORY ANALYTICAL REPORT



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041928705

Customer ID: TCNL25

Customer PO: EH197174

Project ID:

Attention: Jason Maloney
Terracon Consultants
524 Elmwood Park Blvd.
Ste. 170
New Orleans, LA 70123

Project: 410 Mudd Ave / EH197174

Phone: (225) 454-3089

Fax:

Received Date: 10/01/2019 9:30 AM

Analysis Date: 10/01/2019

Collected Date: 09/30/2019

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01-01 <i>041928705-0001</i>	Living Room - Tan Linoleum	Tan Fibrous Homogeneous	20% Cellulose	62% Non-fibrous (Other)	18% Chrysotile
01-02 <i>041928705-0002</i>	Dining Area - Tan Linoleum	Tan Fibrous Homogeneous	20% Cellulose	62% Non-fibrous (Other)	18% Chrysotile
01-03 <i>041928705-0003</i>	Kitchen - Tan Linoleum	Tan Fibrous Homogeneous	20% Cellulose	65% Non-fibrous (Other)	15% Chrysotile
02-04-Floor Tile <i>041928705-0004</i>	Beige Floor Tile	Beige Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
02-04-Mastic <i>041928705-0004A</i>	Black Mastic	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
02-05-Floor Tile <i>041928705-0005</i>	Beige Floor Tile	Beige Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
02-05-Mastic <i>041928705-0005A</i>	Black Mastic	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
02-06-Floor Tile <i>041928705-0006</i>	Beige Floor Tile	Beige Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
02-06-Mastic <i>041928705-0006A</i>	Black Mastic	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
03-07 <i>041928705-0007</i>	12x12 White Interlocking Ceiling Tile	Brown/White Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
03-08 <i>041928705-0008</i>	12x12 White Interlocking Ceiling Tile	White Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
03-09 <i>041928705-0009</i>	12x12 White Interlocking Ceiling Tile	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
04-10-Drywall <i>041928705-0010</i>	Drywall	Brown/White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
04-10-Joint Compound <i>041928705-0010A</i>	Joint Compound	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
04-11-Drywall <i>041928705-0011</i>	Drywall	Brown/White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
04-11-Joint Compound <i>041928705-0011A</i>	Joint Compound	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile

Initial report from: 10/01/2019 14:42:30



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

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EMSL Order: 041928705
Customer ID: TCNL25
Customer PO: EH197174
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
04-12-Drywall <i>041928705-0012</i>	Drywall	Brown/White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
04-12-Joint Compound <i>041928705-0012A</i>	Joint Compound	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
05-13 <i>041928705-0013</i>	Dining - Rough Wall Texture	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
05-14 <i>041928705-0014</i>	Dining - Rough Wall Texture	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
05-15 <i>041928705-0015</i>	Dining - Rough Wall Texture	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
06-16 <i>041928705-0016</i>	Attic - TSI Straight Pipe	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06-17 <i>041928705-0017</i>	Attic - TSI Straight Pipe	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06-18 <i>041928705-0018</i>	Attic - TSI Straight Pipe	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07-19-Shingle <i>041928705-0019</i>	Roof - Roof Shingle	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
07-19-Felt Paper <i>041928705-0019A</i>	Roof - Felt Paper	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
07-20-Shingle <i>041928705-0020</i>	Roof - Roof Shingle	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
07-20-Felt Paper <i>041928705-0020A</i>	Roof - Felt Paper	Brown/Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
07-21-Shingle <i>041928705-0021</i>	Roof - Roof Shingle	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
07-21-Felt Paper <i>041928705-0021A</i>	Roof - Felt Paper	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected

Analyst(s) _____

Adam Gart (10)
Ebony Miller (20)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 10/01/2019 14:42:30

APPENDIX D

PHOTOGRAPHS OF SAMPLED HOMOGENEOUS AREAS



Photograph No. 1

View of the Tan linoleum with associated fiber backing (HA-01)



Photograph No. 2

View of associated fiber backing of the tan linoleum (HA-01)



Photograph No. 3

View of the floor tile with black mastic (HA-02).



Photograph No. 4

View of the 12x12 white interlocking ceiling tile (HA-03)



Photograph No. 5

View of White Wallboard with Joint Compound (HA-04).



Photograph No. 6

View of the rough wall texture (HA-05)



Photograph No. 7
View of the TSI straight pipe insulation (HA-06)



Photograph No. 8
View of the shingled roof HA-07

APPENDIX E

CERTIFICATIONS

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Jeff M Beasley

Has complied with all requirements of the Louisiana Department of Environmental Quality
and is authorized to perform the duties of

Asbestos Inspector

Accreditation No. J1140349

AI No. 140349

Date of Issuance March 20, 2019

Expiration January 30, 2020

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)
may result in civil and/or criminal enforcement actions by the State.

Paul Bergeron

Permit Support Services Division
Office of Environmental Services